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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: Wed Oct 17 09:12:26 EDT 2007

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Application No: 10527191 Version No: 2.0

Input Set:

Output Set:

Started: 2007-10-01 16:27:26.741
Finished: 2007-10-01 16:27:33.577
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 836 ms
Total Warnings: 1
Total Errors: 0
No. of SeqIDs Defined: 147
Actual SeqID Count: 147

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (145)

SEQUENCE LISTING

<110> NatImmune A/S
Weilguny, Dietmar
Kongerslev, Leif
Matthiesen, Finn

<120> Collectin-complement activating protein chimeras

<130> P 703 PC00

<140> 10527191

<141> 2005-03-10

<160> 147

<170> PatentIn version 3.4

<210> 1

<211> 185

<212> PRT

<213> Mus musculus

<400> 1

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Leu	Leu	Gly	Ser	Lys	Trp	Pro	Glu	Pro	Val	Phe	Gly	Arg	Leu	Val	Ser
			20					25					30		

Pro	Gly	Phe	Pro	Glu	Lys	Tyr	Ala	Asp	His	Gln	Asp	Arg	Ser	Trp	Thr
		35					40					45			

Leu	Thr	Ala	Pro	Pro	Gly	Tyr	Arg	Leu	Arg	Leu	Tyr	Phe	Thr	His	Phe
50						55					60				

Asp	Leu	Glu	Leu	Ser	Tyr	Arg	Cys	Glu	Tyr	Asp	Phe	Val	Lys	Leu	Ser
65					70					75				80	

Ser	Gly	Thr	Lys	Val	Leu	Ala	Thr	Leu	Cys	Gly	Gln	Glu	Ser	Thr	Asp
			85						90					95	

Thr	Glu	Gln	Ala	Pro	Gly	Asn	Asp	Thr	Phe	Tyr	Ser	Leu	Gly	Pro	Ser
			100					105					110		

Leu	Lys	Val	Thr	Phe	His	Ser	Asp	Tyr	Ser	Asn	Glu	Lys	Pro	Phe	Thr
		115					120					125			

Gly Phe Glu Ala Phe Tyr Ala Ala Glu Asp Val Asp Glu Cys Arg Val
130 135 140

Ser Leu Gly Asp Ser Val Pro Cys Asp His Tyr Cys His Asn Tyr Leu
145 150 155 160

Gly Gly Tyr Tyr Cys Ser Cys Arg Ala Gly Tyr Val Leu His Gln Asn
165 170 175

Lys His Thr Cys Ser Glu Gln Ser Leu
180 185

<210> 2
<211> 244
<212> PRT
<213> Mus musculus

<400> 2

Met Ser Ile Phe Thr Ser Phe Leu Leu Leu Cys Val Val Thr Val Val
1 5 10 15

Tyr Ala Glu Thr Leu Thr Glu Gly Val Gln Asn Ser Cys Pro Val Val
20 25 30

Thr Cys Ser Ser Pro Gly Leu Asn Gly Phe Pro Gly Lys Asp Gly Arg
35 40 45

Asp Gly Ala Lys Gly Glu Lys Gly Glu Pro Gly Gln Gly Leu Arg Gly
50 55 60

Leu Gln Gly Pro Pro Gly Lys Val Gly Pro Thr Gly Pro Pro Gly Asn
65 70 75 80

Pro Gly Leu Lys Gly Ala Val Gly Pro Lys Gly Asp Arg Gly Asp Arg
85 90 95

Ala Glu Phe Asp Thr Ser Glu Ile Asp Ser Glu Ile Ala Ala Leu Arg
100 105 110

Ser Glu Leu Arg Ala Leu Arg Asn Trp Val Leu Phe Ser Leu Ser Glu
115 120 125

Lys Val Gly Lys Lys Tyr Phe Val Ser Ser Val Lys Lys Met Ser Leu
130 135 140

Asp Arg Val Lys Ala Leu Cys Ser Glu Phe Gln Gly Ser Val Ala Thr
145 150 155 160

Pro Arg Asn Ala Glu Glu Asn Ser Ala Ile Gln Lys Val Ala Lys Asp
165 170 175

Ile Ala Tyr Leu Gly Ile Thr Asp Val Arg Val Glu Gly Ser Phe Glu
180 185 190

Asp Leu Thr Gly Asn Arg Val Arg Tyr Thr Asn Trp Asn Asp Gly Glu
195 200 205

Pro Asn Asn Thr Gly Asp Gly Glu Asp Cys Val Val Ile Leu Gly Asn
210 215 220

Gly Lys Trp Asn Asp Val Pro Cys Ser Asp Ser Phe Leu Ala Ile Cys
225 230 235 240

Glu Phe Ser Asp

<210> 3
<211> 239
<212> PRT
<213> Mus musculus

<400> 3

Met Leu Leu Leu Pro Leu Leu Pro Val Leu Leu Cys Val Val Ser Val
1 5 10 15

Ser Ser Ser Gly Ser Gln Thr Cys Glu Asp Thr Leu Lys Thr Cys Ser
20 25 30

Val Ile Ala Cys Gly Arg Asp Gly Arg Asp Gly Pro Lys Gly Glu Lys
35 40 45

Gly Glu Pro Gly Gln Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys
50 55 60

Leu Gly Pro Pro Gly Ser Val Gly Ser Pro Gly Ser Pro Gly Pro Lys
65 70 75 80

Gly Gln Lys Gly Asp His Gly Asp Asn Arg Ala Ile Glu Glu Lys Leu
85 90 95

Ala Asn Met Glu Ala Glu Ile Arg Ile Leu Lys Ser Lys Leu Gln Leu
100 105 110

Thr Asn Lys Leu His Ala Phe Ser Met Gly Lys Lys Ser Gly Lys Lys
115 120 125

Leu Phe Val Thr Asn His Glu Lys Met Pro Phe Ser Lys Val Lys Ser
130 135 140

Leu Cys Thr Glu Leu Gln Gly Thr Val Ala Ile Pro Arg Asn Ala Glu
145 150 155 160

Glu Asn Lys Ala Ile Gln Glu Val Ala Thr Gly Ile Ala Phe Leu Gly
165 170 175

Ile Thr Asp Glu Ala Thr Glu Gly Gln Phe Met Tyr Val Thr Gly Gly
180 185 190

Arg Leu Thr Tyr Ser Asn Trp Lys Lys Asp Glu Pro Asn Asn His Gly
195 200 205

Ser Gly Glu Asp Cys Val Ile Ile Leu Asp Asn Gly Leu Trp Asn Asp
210 215 220

Ile Ser Cys Gln Ala Ser Phe Lys Ala Val Cys Glu Phe Pro Ala
225 230 235

<210> 4
<211> 652
<212> PRT
<213> Homo sapiens

<400> 4

Met Ala Thr Ser Met Gly Leu Leu Leu Leu Leu Leu Leu Leu Thr
1 5 10 15

Gln Pro Gly Ala Gly Thr Gly Ala Asp Thr Glu Ala Val Val Cys Val
20 25 30

Gly Thr Ala Cys Tyr Thr Ala His Ser Gly Lys Leu Ser Ala Ala Glu
35 40 45

Ala Gln Asn His Cys Asn Gln Asn Gly Gly Asn Leu Ala Thr Val Lys
50 55 60

Ser Lys Glu Glu Ala Gln His Val Gln Arg Val Leu Ala Gln Leu Leu
65 70 75 80

Arg Arg Glu Ala Ala Leu Thr Ala Arg Met Ser Lys Phe Trp Ile Gly
85 90 95

Leu Gln Arg Glu Lys Gly Lys Cys Leu Asp Pro Ser Leu Pro Leu Lys
100 105 110

Gly Phe Ser Trp Val Gly Gly Gly Glu Asp Thr Pro Tyr Ser Asn Trp
115 120 125

His Lys Glu Leu Arg Asn Ser Cys Ile Ser Lys Arg Cys Val Ser Leu
130 135 140

Leu Leu Asp Leu Ser Gln Pro Leu Leu Pro Ser Arg Leu Pro Lys Trp
145 150 155 160

Ser Glu Gly Pro Cys Gly Ser Pro Gly Ser Pro Gly Ser Asn Ile Glu
165 170 175

Gly Phe Val Cys Lys Phe Ser Phe Lys Gly Met Cys Arg Pro Leu Ala
180 185 190

Leu Gly Gly Pro Gly Gln Val Thr Tyr Thr Thr Pro Phe Gln Thr Thr
195 200 205

Ser Ser Ser Leu Glu Ala Val Pro Phe Ala Ser Ala Ala Asn Val Ala
210 215 220

Cys Gly Glu Gly Asp Lys Asp Glu Thr Gln Ser His Tyr Phe Leu Cys
225 230 235 240

Lys Glu Lys Ala Pro Asp Val Phe Asp Trp Gly Ser Ser Gly Pro Leu
245 250 255

Cys Val Ser Pro Lys Tyr Gly Cys Asn Phe Asn Asn Gly Gly Cys His
260 265 270

Gln Asp Cys Phe Glu Gly Gly Asp Gly Ser Phe Leu Cys Gly Cys Arg
 275 280 285

Pro Gly Phe Arg Leu Leu Asp Asp Leu Val Thr Cys Ala Ser Arg Asn
 290 295 300

Pro Cys Ser Ser Ser Pro Cys Arg Gly Gly Ala Thr Cys Val Leu Gly
 305 310 315 320

Pro His Gly Lys Asn Tyr Thr Cys Arg Cys Pro Gln Gly Tyr Gln Leu
 325 330 335

Asp Ser Ser Gln Leu Asp Cys Val Asp Val Asp Glu Cys Gln Asp Ser
 340 345 350

Pro Cys Ala Gln Glu Cys Val Asn Thr Pro Gly Gly Phe Arg Cys Glu
 355 360 365

Cys Trp Val Gly Tyr Glu Pro Gly Gly Pro Gly Glu Gly Ala Cys Gln
 370 375 380

Asp Val Asp Glu Cys Ala Leu Gly Arg Ser Pro Cys Ala Gln Gly Cys
 385 390 395 400

Thr Asn Thr Asp Gly Ser Phe His Cys Ser Cys Glu Glu Gly Tyr Val
 405 410 415

Leu Ala Gly Glu Asp Gly Thr Gln Cys Gln Asp Val Asp Glu Cys Val
 420 425 430

Gly Pro Gly Gly Pro Leu Cys Asp Ser Leu Cys Phe Asn Thr Gln Gly
 435 440 445

Ser Phe His Cys Gly Cys Leu Pro Gly Trp Val Leu Ala Pro Asn Gly
 450 455 460

Val Ser Cys Thr Met Gly Pro Val Ser Leu Gly Pro Pro Ser Gly Pro
 465 470 475 480

Pro Asp Glu Glu Asp Lys Gly Glu Lys Glu Gly Ser Thr Val Pro Arg
 485 490 495

Ala Ala Thr Ala Ser Pro Thr Arg Gly Pro Glu Gly Thr Pro Lys Ala
500 505 510

Thr Pro Thr Thr Ser Arg Pro Ser Leu Ser Ser Asp Ala Pro Ile Thr
515 520 525

Ser Ala Pro Leu Lys Met Leu Ala Pro Ser Gly Ser Pro Gly Val Trp
530 535 540

Arg Glu Pro Ser Ile His His Ala Thr Ala Ala Ser Gly Pro Gln Glu
545 550 555 560

Pro Ala Gly Gly Asp Ser Ser Val Ala Thr Gln Asn Asn Asp Gly Thr
565 570 575

Asp Gly Gln Lys Leu Leu Leu Phe Tyr Ile Leu Gly Thr Val Val Ala
580 585 590

Ile Leu Leu Leu Leu Ala Leu Ala Leu Gly Leu Leu Val Tyr Arg Lys
595 600 605

Arg Arg Ala Lys Arg Glu Glu Lys Lys Glu Lys Lys Pro Gln Asn Ala
610 615 620

Ala Asp Ser Tyr Ser Trp Val Pro Glu Arg Ala Glu Ser Arg Ala Met
625 630 635 640

Glu Asn Gln Tyr Ser Pro Thr Pro Gly Thr Asp Cys
645 650

<210> 5
<211> 644
<212> PRT
<213> Mus musculus

<400> 5

Met Ala Ile Ser Thr Gly Leu Phe Leu Leu Leu Gly Leu Leu Gly Gln
1 5 10 15

Pro Trp Ala Gly Ala Ala Ala Asp Ser Gln Ala Val Val Cys Glu Gly
20 25 30

Thr Ala Cys Tyr Thr Ala His Trp Gly Lys Leu Ser Ala Ala Glu Ala
35 40 45

Gln His Arg Cys Asn Glu Asn Gly Gly Asn Leu Ala Thr Val Lys Ser
50 55 60

Glu Glu Glu Ala Arg His Val Gln Gln Ala Leu Thr Gln Leu Leu Lys
65 70 75 80

Thr Lys Ala Pro Leu Glu Ala Lys Met Gly Lys Phe Trp Ile Gly Leu
85 90 95

Gln Arg Glu Lys Gly Asn Cys Thr Tyr His Asp Leu Pro Met Arg Gly
100 105 110

Phe Ser Trp Val Gly Gly Gly Glu Asp Thr Ala Tyr Ser Asn Trp Tyr
115 120 125

Lys Ala Ser Lys Ser Ser Cys Ile Phe Lys Arg Cys Val Ser Leu Ile
130 135 140

Leu Asp Leu Ser Leu Thr Pro His Pro Ser His Leu Pro Lys Trp His
145 150 155 160

Glu Ser Pro Cys Gly Thr Pro Glu Ala Pro Gly Asn Ser Ile Glu Gly
165 170 175

Phe Leu Cys Lys Phe Asn Phe Lys Gly Met Cys Arg Pro Leu Ala Leu
180 185 190

Gly Gly Pro Gly Arg Val Thr Tyr Thr Thr Pro Phe Gln Ala Thr Thr
195 200 205

Ser Ser Leu Glu Ala Val Pro Phe Ala Ser Val Ala Asn Val Ala Cys
210 215 220

Gly Asp Glu Ala Lys Ser Glu Thr His Tyr Phe Leu Cys Asn Glu Lys
225 230 235 240

Thr Pro Gly Ile Phe His Trp Gly Ser Ser Gly Pro Leu Cys Val Ser
245 250 255

Pro Lys Phe Gly Cys Ser Phe Asn Asn Gly Gly Cys Gln Gln Asp Cys
260 265 270

Phe	Glu	Gly	Gly	Asp	Gly	Ser	Phe	Arg	Cys	Gly	Cys	Arg	Pro	Gly	Phe	275	280	285
Arg	Leu	Leu	Asp	Asp	Leu	Val	Thr	Cys	Ala	Ser	Arg	Asn	Pro	Cys	Ser	290	295	300
Ser	Asn	Pro	Cys	Thr	Gly	Gly	Gly	Met	Cys	His	Ser	Val	Pro	Leu	Ser	305	310	315
Glu	Asn	Tyr	Thr	Cys	Arg	Cys	Pro	Ser	Gly	Tyr	Gln	Leu	Asp	Ser	Ser	325	330	335
Gln	Val	His	Cys	Val	Asp	Ile	Asp	Glu	Cys	Gln	Asp	Ser	Pro	Cys	Ala	340	345	350
Gln	Asp	Cys	Val	Asn	Thr	Leu	Gly	Ser	Phe	His	Cys	Glu	Cys	Trp	Val	355	360	365
Gly	Tyr	Gln	Pro	Ser	Gly	Pro	Lys	Glu	Glu	Ala	Cys	Glu	Asp	Val	Asp	370	375	380
Glu	Cys	Ala	Ala	Ala	Asn	Ser	Pro	Cys	Ala	Gln	Gly	Cys	Ile	Asn	Thr	385	390	395
Asp	Gly	Ser	Phe	Tyr	Cys	Ser	Cys	Lys	Glu	Gly	Tyr	Ile	Val	Ser	Gly	405	410	415
Glu	Asp	Ser	Thr	Gln	Cys	Glu	Asp	Ile	Asp	Glu	Cys	Ser	Asp	Ala	Arg	420	425	430
Gly	Asn	Pro	Cys	Asp	Ser	Leu	Cys	Phe	Asn	Thr	Asp	Gly	Ser	Phe	Arg	435	440	445
Cys	Gly	Cys	Pro	Pro	Gly	Trp	Glu	Leu	Ala	Pro	Asn	Gly	Val	Phe	Cys	450	455	460
Ser	Arg	Gly	Thr	Val	Phe	Ser	Glu	Leu	Pro	Ala	Arg	Pro	Pro	Gln	Lys	465	470	475
Glu	Asp	Asn	Asp	Asp	Arg	Lys	Glu	Ser	Thr	Met	Pro	Pro	Thr	Glu	Met	485	490	495

Pro Ser Ser Pro Ser Gly Ser Lys Asp Val Ser Asn Arg Ala Gln Thr
500 505 510

Thr Gly Leu Phe Val Gln Ser Asp Ile Pro Thr Ala Ser Val Pro Leu
515 520 525

Glu Ile Glu Ile Pro Ser Glu Val Ser Asp Val Trp Phe Glu Leu Gly
530 535 540

Thr Tyr Leu Pro Thr Thr Ser Gly His Ser Lys Pro Thr His Glu Asp
545 550 555 560

Ser Val Ser Ala His Ser Asp Thr Asp Gly Gln Asn Leu Leu Leu Phe
565 570 575

Tyr Ile Leu Gly Thr Val Val Ala Ile Ser Leu Leu Leu Val Leu Ala
580 585 590

Leu Gly Ile Leu Ile Tyr His Lys Arg Arg Ala Lys Lys Glu Glu Ile
595 600 605

Lys Glu Lys Lys Pro Gln Asn Ala Ala Asp Ser Tyr Ser Trp Val Pro
610 615 620

Glu Arg Ala Glu Ser Gln Ala Pro Glu Asn Gln Tyr Ser Pro Thr Pro
625 630 635 640

Gly Thr Asp Cys

<210> 6
<211> 688
<212> PRT
<213> Homo sapiens

<400> 6

Met Trp Cys Ile Val Leu Phe Ser Leu Leu Ala Trp Val Tyr Ala Glu
1 5 10 15

Pro Thr Met Tyr Gly Glu Ile Leu Ser Pro Asn Tyr Pro Gln Ala Tyr
20 25 30

Pro Ser Gl